

0280

#2

OIPE



RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/765,034

DATE: 02/02/2001
TIME: 11:38:03

Input Set : A:\CN01084 sequence listing.txt
Output Set: N:\CRF3\02022001\I765034.raw

3 <110> APPLICANT: Hedrick, Joseph A.
4 Lachowicz, Jean E.
5 Wang, Wei
6 Gustafson, Eric L.
8 <120> TITLE OF INVENTION: Adenosine Receptor
10 <130> FILE REFERENCE: CN01084
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/765,034
C--> 13 <141> CURRENT FILING DATE: 2001-01-17
15 <160> NUMBER OF SEQ ID NOS: 4
17 <170> SOFTWARE: PatentIn Ver. 2.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 1338
21 <212> TYPE: DNA
22 <213> ORGANISM: homo sapiens
24 <220> FEATURE:
25 <221> NAME/KEY: CDS
26 <222> LOCATION: (1)..(1005)
28 <400> SEQUENCE: 1
29 atg ctg ggg atc atg gca tgg aat gca act tgc aaa aac tgg ctg gca 48
30 Met Leu Gly Ile Met Ala Trp Asn Ala Thr Cys Lys Asn Trp Leu Ala
31 1 5 10 15
33 gca gag gct gcc ctg gaa aag tac tac ctt tcc att ttt tat ggg att 96
34 Ala Glu Ala Ala Leu Glu Lys Tyr Tyr Leu Ser Ile Phe Tyr Gly Ile
35 20 25 30
37 gag ttc gtt gtg gga gtc ctt gga aat acc att gtt gtt tac ggc tac 144
38 Glu Phe Val Val Gly Val Leu Gly Asn Thr Ile Val Val Tyr Gly Tyr
39 35 40 45
41 atc ttc tct ctg aag aac tgg aac agc agt aat att tat ctc ttt aac 192
42 Ile Phe Ser Leu Lys Asn Trp Asn Ser Ser Asn Ile Tyr Leu Phe Asn
43 50 55 60
45 ctc tct gtc tct gac tta gct ttt ctg tgc acc ctc ccc atg ctg ata 240
46 Leu Ser Val Ser Asp Leu Ala Phe Leu Cys Thr Leu Pro Met Leu Ile
47 65 70 75 80
49 agg agt tat gec aat gga aac tgg ata tat gga gac qtg ctc tgc ata 288
50 Arg Ser Tyr Ala Asn Gly Asn Trp Ile Tyr Gly Asp Val Leu Cys Ile
51 85 90 95
53 agc aac cga tat qtg ctt cat gcc aac ctc tat acc agc att ctc ttt 336
54 Ser Asn Arg Tyr Val Leu His Ala Asn Leu Tyr Thr Ser Ile Leu Phe
55 100 105 110
57 ctc act ttt atc agc ata gat cga tac ttg ata att aag tat cct ttc 384
58 Leu Thr Phe Ile Ser Ile Asp Arg Tyr Leu Ile Ile Lys Tyr Pro Phe
59 115 120 125
61 cga gaa cac ctt ctg caa aag aaa gag ttt gct att tta atc tcc ttg 432
62 Arg Glu His Leu Leu Gln Lys Lys Glu Phe Ala Ile Leu Ile Ser Leu
63 130 135 140
65 gcc att tgg gtt tta gta acc tta gag tta cta ccc ata ctt ccc ctt 480
66 Ala Ile Trp Val Leu Val Thr Leu Glu Leu Leu Pro Ile Leu Pro Leu

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67	145	150	155	160	
69	ata aat cct gtt ata act gac aat ggc acc acc tgt aat gat ttt gca				528
70	Ile Asn Pro Val Ile Thr Asp Asn Gly Thr Thr Cys Asn Asp Phe Ala				
71	165	170	175		
73	agt tct gga gac ccc aac tac aac ctc att tac agc atg tgt cta aca				576
74	Ser Ser Gly Asp Pro Asn Tyr Asn Leu Ile Tyr Ser Met Cys Leu Thr				
75	180	185	190		
77	ctg ttg ggg ttc ctt att cct ctt ttg atg tgt ttc ttt tat tac				624
78	Leu Leu Gly Phe Leu Ile Pro Leu Phe Val Met Cys Phe Phe Tyr Tyr				
79	195	200	205		
81	aag att gct ctc ttc cta aag cag agg aat agg cag gtt gct act gct				672
82	Lys Ile Ala Leu Phe Leu Lys Gln Arg Asn Arg Gln Val Ala Thr Ala				
83	210	215	220		
85	ctg ccc ctt gaa aag cct ctc aac ttg gtc atc atg gca gtg gta atc				720
86	Leu Pro Leu Glu Lys Pro Leu Asn Leu Val Ile Met Ala Val Val Ile				
87	225	230	235	240	
89	ttc tct gtg cct ttt aca ccc tat cac gtc atg cgg aat gtg agg atc				768
90	Phe Ser Val Pro Phe Thr Pro Tyr His Val Met Arg Asn Val Arg Ile				
91	245	250	255		
93	gct tca cgc ctg ggg agt tgg aag cag tat cag tgc act cag gtc gtc				816
94	Ala Ser Arg Leu Gly Ser Trp Lys Gln Tyr Gln Cys Thr Gln Val Val				
95	260	265	270		
97	atc aac tcc ttt tac att gtg aca cgg cct ttg gcc ttt ctg aac agt				864
98	Ile Asn Ser Phe Tyr Ile Val Arg Pro Leu Ala Phe Leu Asn Ser				
99	275	280	285		
101	gtc atc aac cct gtc ttc tat ttt ctt ttg gga gat cac ttc agg gac				912
102	Val Ile Asn Pro Val Phe Tyr Phe Leu Leu Gly Asp His Phe Arg Asp				
103	290	295	300		
105	atg ctg atg aat caa ctg aga cac aac ttc aaa tcc ctt aca tcc ttt				960
106	Met Leu Met Asn Gln Leu Arg His Asn Phe Lys Ser Leu Thr Ser Phe				
107	305	310	315	320	
109	agc aga tgg gct cat gaa ctc cta ctt tca ttc aqa gaa aag tga				1005
110	Ser Arg Trp Ala His Glu Leu Leu Ser Phe Arg Glu Lys				
W-->	111	325	330	335	
113	ggggcttg aaacagattg ttctacagat gaatctgtaa gcccgttaca gtttgcctta				1065
115	actcatagac atcaatcaga gagtgtcaca gatttaacct tgatctaaag acaaatgtta				1125
117	ccccagatgt gtgaaaagaa tgggacgaca agaatgtact ggtttcttcc tctaagaatt				1185
119	gaaaggagtt gaactgcctt atgtttggc atgttaactcc aaaatactag gtgtataaag				1245
121	gtcttctcaa tcagtgcaaa aatgaaat atataaagca acaagggttc tgcatgtat				1305
123	cactggtcag attgtaaaaaaa aaaaaaaaaaaa aaa				1338
126	<210> SEQ ID NO: 2				
127	<211> LENGTH: 334				
128	<212> TYPE: PRT				
129	<213> ORGANISM: homo sapiens				
131	<400> SEQUENCE: 2				
132	Met Leu Gly Ile Met Ala Trp Asn Ala Thr Cys Lys Asn Trp Leu Ala				
133	1	5	10	15	
135	Ala Glu Ala Ala Leu Glu Lys Tyr Tyr Leu Ser Ile Phe Tyr Gly Ile				
136	20	25	30		

RAW SEQUENCE LISTING
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```

138 Glu Phe Val Val Gly Val Leu Gly Asn Thr Ile Val Val Tyr Gly Tyr
139      35          40          45
141 Ile Phe Ser Leu Lys Asn Trp Asn Ser Ser Asn Ile Tyr Leu Phe Asn
142      50          55          60
144 Leu Ser Val Ser Asp Leu Ala Phe Leu Cys Thr Leu Pro Met Leu Ile
145      65          70          75          80
147 Arg Ser Tyr Ala Asn Gly Asn Trp Ile Tyr Gly Asp Val Leu Cys Ile
148      85          90          95
150 Ser Asn Arg Tyr Val Leu His Ala Asn Leu Tyr Thr Ser Ile Leu Phe
151      100         105         110
153 Leu Thr Phe Ile Ser Ile Asp Arg Tyr Leu Ile Ile Lys Tyr Pro Phe
154      115         120         125
156 Arg Glu His Leu Leu Gln Lys Lys Glu Phe Ala Ile Leu Ile Ser Leu
157      130         135         140
159 Ala Ile Trp Val Leu Val Thr Leu Glu Leu Leu Pro Ile Leu Pro Leu
160 145      150         155         160
162 Ile Asn Pro Val Ile Thr Asp Asn Gly Thr Thr Cys Asn Asp Phe Ala
163      165         170         175
165 Ser Ser Gly Asp Pro Asn Tyr Asn Leu Ile Tyr Ser Met Cys Leu Thr
166      180         185         190
168 Leu Leu Gly Phe Leu Ile Pro Leu Phe Val Met Cys Phe Phe Tyr Tyr
169      195         200         205
171 Lys Ile Ala Leu Phe Leu Lys Gln Arg Asn Arg Gln Val Ala Thr Ala
172      210         215         220
174 Leu Pro Leu Glu Lys Pro Leu Asn Leu Val Ile Met Ala Val Val Ile
175 225      230         235         240
177 Phe Ser Val Pro Phe Thr Pro Tyr His Val Met Arg Asn Val Arg Ile
178      245         250         255
180 Ala Ser Arg Leu Gly Ser Trp Lys Gln Tyr Gln Cys Thr Gln Val Val
181      260         265         270
183 Ile Asn Ser Phe Tyr Ile Val Thr Arg Pro Leu Ala Phe Leu Asn Ser
184      275         280         285
186 Val Ile Asn Pro Val Phe Tyr Phe Leu Leu Gly Asp His Phe Arg Asp
187      290         295         300
189 Met Leu Met Asn Gln Leu Arg His Asn Phe Lys Ser Leu Thr Ser Phe
190 305      310         315         320
192 Ser Arg Trp Ala His Glu Leu Leu Leu Ser Phe Arg Glu Lys
193      325         330
197 <210> SEQ ID NO: 3
198 <211> LENGTH: 37
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: sense PCR
204 primer
206 <400> SEQUENCE: 3
207 cggaaattcat gctggggatc atggcatgga atgcaac
210 <210> SEQ ID NO: 4
211 <211> LENGTH: 38

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Input Set : A:\CN01084 sequence listing.txt
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212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Description of Artificial Sequence: antisense PCR
217 primer
219 <400> SEQUENCE: 4
220 tatgcggccg cccaccacac tggactagtg gatccctca

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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/765,034

DATE: 02/02/2001
TIME: 11:38:05

Input Set : A:\CN01084 sequence listing.txt
Output Set: N:\CRF3\02022001\I765034.raw

L:12 M:270 C: Current Application Number differs, Replaced Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:111 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1